



SSSSSSSS SSSSSSSS    AAAAAAA AAAAAAA    TTTTTTTTTT TTTTTTTTTT    SSSSSSSS SSSSSSSS    SSSSSSSS SSSSSSSS    FFFFFFFFFF FFFFFFFFFF    000000 000000    11 11  
SS SS AA AA AA AA TT TT    SS SS SS SS FF FF FF FF    00 00 00 00 00 00 00 00 11 11  
SS SS AA AA AA AA TT TT    SS SS SS SS FF FF FF FF    00 00 00 00 00 00 00 00 11 11  
SS SS AA AA AA AA TT TT    SS SS SS SS FF FF FF FF    00 00 00 00 00 00 00 00 11 11  
SSSSSS SSSSSS AA AA AA AA TT TT    SSSSSS SSSSSS SSSSSS SSSSSS FF FFFFFF FFFFFF FFFF FFFF    00 00 00 00 00 00 00 00 11 11  
SSSSSS SSSSSS AA AA AA AA TT TT    SSSSSS SSSSSS SSSSSS SSSSSS FF FFFFFF FFFFFF FFFF FFFF    00 00 00 00 00 00 00 00 11 11  
SS SS AA AA AA AA TT TT    SS SS SS SS FF FF FF FF    0000 0000 0000 0000 00 00 00 00 11 11  
SS SS AA AA AA AA TT TT    SS SS SS SS FF FF FF FF    0000 0000 0000 0000 00 00 00 00 11 11  
SS SS AA AA AA AA TT TT    SS SS SS SS FF FF FF FF    00 00 00 00 00 00 00 00 11 11  
SSSSSS SSSSSS AA AA AA AA TT TT    SSSSSS SSSSSS SSSSSS SSSSSS FF FF FF FF    000000 000000 111111 111111  
SSSSSS SSSSSS AA AA AA AA TT TT    SSSSSS SSSSSS SSSSSS SSSSSS FF FF FF FF    000000 000000 111111 111111  
LL LL IIIIII SSSSSSSS SSSSSSSS  
LL LL SS SS  
LLLLLLLLLL LLLL LLLL IIIIII SSSSSSSS SSSSSSSS

(1)	54	DECLARATIONS
(1)	76	OWN STORAGE
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0000 1 .TITLE SATSSF01 - SATS SYSTEM SERVICE TESTS (FAILING S.C.)  
0000 2 .IDENT 'V04-000'  
0000 3  
0000 4  
0000 5 :\*\*\*\*\*  
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0000 27 :  
0000 28 :  
0000 29 :++  
0000 30 :FACILITY: SATS SYSTEM SERVICE TESTS  
0000 31 :  
0000 32 :ABSTRACT: The SATSSF01 module tests the execution of the following  
0000 33 :VMS system services, invoked in such a way as to expect failing  
0000 34 :status codes:  
0000 35 : SDACEFC  
0000 36 : SDLCEFC  
0000 37 : SASCEFC  
0000 38 : SSETEXV  
0000 39 :  
0000 40 :  
0000 41 :ENVIRONMENT: User mode image; needs CMKRNL privilege.  
0000 42 :dynamically acquires other privileges, as needed.  
0000 43 :  
0000 44 :AUTHOR: THOMAS L. CAFARELLA, CREATION DATE: AUG, 1978  
0000 45 : PAUL D. FAY (DISPSERV & TESTSERV MACROS)  
0000 46 :  
0000 47 :MODIFIED BY:  
0000 48 :  
0000 49 : V03-001 LDJ0001 Larry D. Jones 17-Sep-1980  
0000 50 : Modified to conform to new build command procedures.  
0000 51 :\*\*  
0000 52 :--

```
0000 54 .SBTTL DECLARATIONS
0000 55 :
0000 56 : MACRO LIBRARY CALLS
0000 57 :
0000 58 $PRVDEF : privilege definitions
0000 59 $UETPDEF : UETP message definitions
0000 60 $SHR MESSAGES UETP,116,<<TEXT,INFO>> ; UETP$ TEXT definition
0000 61 $PHDDEF : process header definitions
0000 62 $PCBDEF : PCB definitions
0000 63 $SSDEF : SS definitions
0000 64 $STSDEF : STS definitions
0000 65 :
0000 66 : Equated symbols
0000 67 :
00000000 0000 68 WARNING = 0 : warning severity value for msgs
00000001 0000 69 SUCCESS = 1 : success "
00000002 0000 70 ERROR = 2 : error "
00000003 0000 71 INFO = 3 : information "
00000004 0000 72 SEVERE = 4 : fatal "
00000001 0000 73 PRVHND_SXV40 = 1 : page 0 address for SETEXV
0000 74
```

```

0000    76      .SBTTL OWN STORAGE
00000000 77      .PSECT RODATA,RD,NOWRT,NOEXE,LONG
0000    78      TEST_MOD_NAME:
0000 80      .ASCIC /SATSSF01/ ; needed for SATSMS message
0009 81      TEST_MOD_NAME_D:
0009 82      .ASCID /SATSSF01/ ; module name
0017 83      TEST_MOD_BEGIN:
0019 84      .ASCIC /begun/
0019 85      TEST_MOD_SUCC:
0019 86      .ASCIC /successful/
001F 87      TEST_MOD_FAIL:
001F 88      .ASCIC /failed/
002A 89      DACEFC:
002A 90      .ASCIC /DACEFC/
0031 91      DLCEFC:
0031 92      .ASCIC /DLCEFC/
0038 93      ASCEFC:
0038 94      .ASCIC /ASCEFC/
003F 95      SETEXV:
003F 96      .ASCIC /SETEXV/
0046 97      INADR:
0046 98      .LONG NOACCESS,NOACCESS ; page address of noaccess psect
004D 99      PROT:
0055 100     .LONG PRTSC_NA ; protection code for no access psect
0055 101     NAME_DLC:
0059 102     .ASCID /SF DLC/ ; legal name string
0059 103     NAME_DLC0:
0066 104     .ASCID // ; zero length string
0066 105     NAME_DLC15:
006E 106     .ASCID /MORE THAN 15 CHARACTERS/ ; illegal string length test string
006E 107     VECTOR_SXV:
007C 108     .LONG 0 ; vector parameter for SETEXV
0088 109     ACMODE_SXV:
008D 110     .LONG 1 ; access mode param. for SETEXV
0091 111     PRVHND_SXV41:
0091 112     .LONG 0 ; readonly access for SETEXV
0095 113     CS1:
0095 114     .ASCID \Test !AC service name !AC step !UL failed.\ ; illegal string length test string
0099 115     CS2:
00CB 116     .ASCID \Expected !AS = !XL received !AS = !XL\ ; illegal string length test string
00CB 116     .ASCID \Expected !AS = !XL received !AS = !XL\ ; illegal string length test string
00BF 116     .ASCID \Expected !AS = !XL received !AS = !XL\ ; illegal string length test string
00CB 116     .ASCID \Expected !AS = !XL received !AS = !XL\ ; illegal string length test string
00E5

```

SATSSF01  
V04-000

- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:30:10 VAX/VMS Macro V04-00  
OWN STORAGE 5-SEP-1984 04:27:16 [UETPSY.SRC]SATSSF01.MAR;1

Page 4  
(1)

4C 58 21 20 3D 20 53 00F1  
00F8 117 CS3: .ASCID \Expected !AS!UB = !XL received !AS!UB = !XL\  
74 63 65 70 78 45 00000100'010E0000' 00F8 118  
20 3D 20 42 55 21 53 41 21 20 64 65 0106  
64 65 76 69 65 63 65 72 20 4C 58 21 0112  
58 21 20 3D 20 42 55 21 53 41 21 20 011E  
4C 012A  
012B 119 EXP: .ASCID \status\  
73 75 74 61 74 73 00000133'010E0000' 012B 120

```

0139 122 :          .SBTTL R/W PSECT
0139 123 :          .PSECT RWDATA,RD,WRT,NOEXE,LONG
00000000 124 :          .PSECT RWDATA,RD,WRT,NOEXE,LONG
00000000 125 :
00000000 126 :          TPID:
00000000 127 :          LONG 0 ; PID for this process
0004 128 :          CURRENT_TC:
00000000 129 :          LONG 0 ; ptr to current test case
0008 130 :          ALIGN LONG
0008 131 :          REG_SAVE_AREA:
00000044 132 :          BLKL 15 ; register save area
0044 133 :          MOD_MSG_CODE:
007480D9 134 :          LONG UETPS_SATSMS ; test module message code for putmsg
0044 135 :          TMN_ADDR:
00000000' 0048 :          ADDRESS TEST_MOD_NAME
004C 136 :          TMD_ADDR:
00000019' 004C :          ADDRESS TEST_MOD_BEGIN
0050 137 :          PRVPRT:
00 0050 140 :          BYTE 0 ; protection return byte for SETPRT
00000000 00000000 0051 141 :          PRIVMASK:
0059 142 :          QUAD 0 ; priv. mask
00000000 0059 143 :          CHM_CONT:
005D 144 :          LONG 0 ; change mode continue address
00000065 005D 145 :          RETADR: ; returned address's from SETPRT
0065 146 :          BLKL 2
0065 147 :          DAC: ; DACEFC parameter list
006D 148 :          $DACEFC 0
006D 149 :          DLC: ; DLCEFC parameter list
0075 150 :          $DLCEFC NAME_DLCO
0075 151 :          ASC: ; ASCEFC parameter list
0089 152 :          $ASCEFC 0,0,0,1
0089 153 :          SET: ; SETEXV parameter list
0089 154 :          $$SETEXV VECTOR_SXV,0,ACMODE_SXV,PRVHND_SXV40
009D 155 :          REG: ; SETEXV parameter list
009D 156 :          .ASCID \register R\ ; register number
74 73 69 67 65 72 003000A5'010E0000' 009D 157 :          REGNUM:
52 20 72 65 00AB 00AF 158 :          LONG 0 ; buffer desc.
00000000 00AF 159 :          MSGL:
00000050 0083 160 :          LONG 80 ; message desc.
000000BB' 0083 161 :          ADDRESS BUF
000000BB' 0087 162 :          BUF:
0000010B 0088 163 :          BLKB 80
00000000 010B 164 :          MESSAGEL:
000000BB' 010F 165 :          LONG 0 ; service name pointer
0113 166 :          ADDRESS BUF
00000000 0113 167 :          SERV_NAME:
00000000 0113 168 :          LONG 0 ; service name pointer

```

00000000 170 .PSECT SATS ACCVIO\_1,RD,WRT,NOEXE,PAGE  
00000200 0000 171 EMPTY: .BLKB 512 ; reserve a page of space  
0200 172 :  
0200 173 :+  
0200 174 :\*\*\*\*\*  
0200 175 :\*  
0200 176 :\* THE ORDER OF STATEMENTS IN THIS PSECT IS CRITICAL.  
0200 177 :\* DO NOT RE-ARRANGE THE VARIABLES. CONSULT SATS  
0200 178 :\* FUNCTIONAL SPECIFICATION FOR A DESCRIPTION OF THE USE  
0200 179 :\* OF THE EMPTY PSECT (AND ITS COMPANION PSECT, NOACCESS).  
0200 180 :\*  
0200 181 :\*\*\*\*\*  
0200 182 :-  
0200 183 :  
000001FF 0200 184 PRVHND\_SXV42 = . - 1 ; prvhnd arg for SETEXV (last byte in the page)  
000001F3 0200 185 . = . - 13 ; allow room for string descriptor  
01F3 186 ; type AAAAA\_SSSX5 go here:  
00000006 01F3 187 .LONG 6 ; string length (will cross psect boundary)  
000001FB' 01F7 188 .ADDRESS .+4 ; string address  
000001FC 01FB 189 ; type AAAAA\_SSSX3 go here:  
01FB 190 .BLKB 1 ; low-order byte of string length  
000001FC 01FC 191 ; type AAAAA\_SSSX2 go here:  
01FC 192 .BLKL 1 ; string length  
0200 193 :  
0200 194 :  
0200 195 :  
0200 196 :  
00000000 197 .PSECT SATS ACCVIO\_2,RD,WRT,NOEXE,PAGE  
00000200 0000 198 NOACCESS: .BLKB 512 ; reserve a page of space  
00000000 0200 199 . = . - 512 ; return loc ctr to beginning of psect  
00000000 0000 200 .ADDRESS EMPTY ; address of accessible string  
00000000 0004 201 .ADDRESS EMPTY/^X100 ; address of accessible string  
0008 202 :+  
0008 203 :\*\*\* NOTE -- DO NOT CHANGE LOCATION OR SEQUENCE OF ABOVE STATEMENTS!  
0008 204 :\*\*\* THIS PSECT (NOACCESS) MUST APPEAR IN MEMORY IMMEDIATELY  
0008 205 :\*\*\* FOLLOWING THE EMPTY PSECT. PSECT NAMES AND OPTIONS WILL BE  
0008 206 :\*\*\* CHOSEN TO FORCE THE DESIRED PSECT ORDERING.  
0008 207 :-  
0008 208 :  
0008 209 :  
0008 210 :  
0008 211 :

```
00000000 213      .PSECT SATSSF01,RD,WRT,EXE,LONG
0000 214      .SBTTL SATSSF01
0000 215      :++
0000 216      : FUNCTIONAL DESCRIPTION:
0000 217      :
0000 218      : After performing some initial housekeeping, such as
0000 219      : printing the module begin message and acquiring needed privileges,
0000 220      : the system services are tested in each of their failure conditions.
0000 221      : Detected failures are identified and an error message is printed
0000 222      : on the terminal. Upon completion of the test a success or fail
0000 223      : message is printed on the terminal.
0000 224      :
0000 225      : CALLING SEQUENCE:
0000 226      :
0000 227      $ RUN SATSSF01 ... (DCL COMMAND)
0000 228      :
0000 229      : INPUT PARAMETERS:
0000 230      :
0000 231      : none
0000 232      :
0000 233      : IMPLICIT INPUTS:
0000 234      :
0000 235      : none
0000 236      :
0000 237      : OUTPUT PARAMETERS:
0000 238      :
0000 239      : none
0000 240      :
0000 241      : IMPLICIT OUTPUTS:
0000 242      :
0000 243      : Messages to SYSSOUTPUT are the only output from SATSSF01.
0000 244      : They are of the form:
0000 245      :
0000 246      : XUETP-S-SATSMS, TEST MODULE SATSSF01 BEGUN ... (BEGIN MSG)
0000 247      : XUETP-S-SATSMS, TEST MODULE SATSSF01 SUCCESSFUL ... (END MSG)
0000 248      : XUETP-E-SATSMS, TEST MODULE SATSSF01 FAILED ... (END MSG)
0000 249      : XUETP-I-TEXT, ... (VARIABLE INFORMATION ABOUT A TEST MODULE FAILURE)
0000 250      :
0000 251      : COMPLETION CODES:
0000 252      :
0000 253      : The SATSSF01 routine terminates with a $EXIT to the
0000 254      : operating system with a status code defined by UETPS_SATSMS.
0000 255      :
0000 256      : SIDE EFFECTS:
0000 257      :
0000 258      : none
0000 259      :
0000 260      : --
0000 261      :
0000 262      :
0000 263      :
0000 264      : TEST_START SATSSF01 ; let the test begin
```

```

0004'CF 0000 0000 .ENTRY SATSSF01_0
0000 0002 CLRL W^CURRENT_TC
0000 0006 PUSHL #0
0000 0008 PUSHAL W^TPID
00000000'GF 02 FB 000C CALLS #2,G^SYSSWAKE
00000000'GF 00 FB 0013 CALLS #0,G^SYSSHIBER
00000000'GF 01 FB 001A PUSHAQ W^TEST MOD NAME_D
00000000'GF 01 FB 001E CALLS #1,G^$TSSSETPRN
004C'CF 001F'CF DE 0028 BSBW W^MOD MSG PRINT
0044'CF 03 00 01 FO 002F MOVAL W^TEST MOD SUCC,W^TMD ADDR
0044'CF 03 00 00 DD 0036 INSV #SUCCESS,#0,#3,W^MOD_MSG_CODE
04DC'CF 01 FB 0038 PUSHL #0
003D CALLS #1,W^REG_SAVE

STP0:
003D 265 $SETPRT_S INADR=W^INADR, RETADR=W^RETADR, -
003D 266 PROT=W^PROT, PRVPRT=W^PRVPRT ; set noaccess psect
0056 267 ; ... for no user access
0056 268 .SBTTL DACEFC TESTS
0056 269 :+
0056 270 :-
0056 271 : SDACEFC tests
0056 272 : test for an EFN of 0
0056 273 :-
0056 274 :-
0113'CF 0031'CF DE 0056 275 MOVAL W^DACEFC,W^SERV_NAME ; set service name
005D 276 SDACEFC G W^DAC
0066 277 FAIL_CHECK SSS_ILLEFC ; check for correct failure
04E6'CF 01 DD 0066 278 PUSHL #SSS_ILLEFC
04E6'CF 01 FB 006C 279 CALLS #1,W^REG_CHECK
00000000EC 8F 0071 279 SDACEFC S #0 ; check S form
04E6'CF 01 DD 007A 279 FAIL_CHECK SSS_ILLEFC ; check for correct failure
04E6'CF 01 FB 0080 280 PUSHL #SSS_ILLEFC
0085 281 CALLS #1,W^REG_CHECK
0085 282 :+ test for a non-zero but less than 64 EFN
0085 283 :-
0085 284 :-
0085 285 :-
0085 285 NEXT_TEST

STP1:
0004'CF 01 DD 0085 MOVL #1,W^CURRENT_TC
0000 008A PUSHL #0
04DC'CF 01 FB 008C CALLS #1,W^REG_SAVE
0069'CF 3F DD 0091 286 MOVL #63,W^DAC+DACEFC$_EFN ; set EFN
0096 287 SDACEFC G W^DAC
009F 288 FAIL_CHECK SSS_ILLEFC ; check for correct failure
00000000EC 8F 009F 288 PUSHL #SSS_ILLEFC
04E6'CF 01 DD 00A5 289 CALLS #1,W^REG_CHECK
00000000EC 8F 00AA 289 SDACEFC S #63 ; check the S form
04E6'CF 01 FB 00B3 290 FAIL_CHECK SSS_ILLEFC ; check for correct failure
00B3 290 PUSHL #SSS_ILLEFC
00B9 291 CALLS #1,W^REG_CHECK
00BE 291 :+
00BE 292 :-
00BE 293 : test for a non-zero but greater than 127

```

F 16

		00BE	294	:	
		00BE	295	:	-
		00BE	296		NEXT_TEST
		00BE			
		00BE			STP2:
0069'CF	0004'CF	02	DO	00AF	MOVL #2,W^CURRENT_TC
	04DC'CF	00	DD	00C3	PUSHL #0
	00000080	8F	DO	00CA	CALLS #1,W^REG_SAVE
				\$DACEFC G W^DAC	; set EFN
				FAIL_CHECK SSS_ILLEFC	; check for correct failure
	000000EC	8F	DD	00DC	PUSHL #SSS_ILLEFC
	04E6'CF	01	FB	00E2	CALLS #1,W^REG_CHECK
				\$DACEFC S #128	; check S form
				FAIL_CHECK SSS_ILLEFC	; check for correct failure
				PUSHL #SSS_ILLEFC	
	000000EC	8F	DD	00F4	CALLS #1,W^REG_CHECK
	04E6'CF	01	FB	00FA	



				0179	336	.SBTTL ASCEFC TESTS				
				0179	337	;+				
				0179	338	;				
				0179	339	SASCEFC tests				
				0179	340	test for zero EFN				
				0179	341	;				
				0179	342	-				
				0179	343	NEXT_TEST				
				0179						
				0179		STP5:				
				0004'CF	05	DO 0179		0179		MOVL #5,W^CURRENT_TC
				0004'CF	00	DD 017E		0179		PUSHL #0
				04DC'CF	01	FB 0180		0179		CALLS #1,W^REG_SAVE
				0113'CF	003F'CF	DE 0185		0179		SASCEFC G W^ASC
				000000EC	8F	DD 0195		0179		FAIL_CHECK SSS_ILLEFC
				04E6'CF	01	FB 019B		0179		PUSHL #SSS_ILLEFC
				000000EC	8F	DD 01B1		0179		CALLS #1,W^REG_CHECK
				04E6'CF	01	FB 01B7		0179		SASCEFC S #0,W^NAME_DLC
				000000EC	8F	DD 01BC		0179		FAIL_CHECK SSS_ILLEFC
				04E6'CF	01	FB 01BC		0179		PUSHL #SSS_ILLEFC
				0004'CF	06	DO 01BC		0179		CALLS #1,W^REG_CHECK
				0004'CF	00	DD 01C1		0179		;
				04DC'CF	01	FB 01C3		0179		;
				0079'CF	3F	DO 01C8		0179		test for non-zero but less than 64 EFN
				000000EC	8F	DD 01CD		0179		
				04E6'CF	01	FB 01D6		0179		
				000000EC	8F	DD 01DC		0179		
				04E6'CF	01	FB 01E1		0179		
				000000EC	8F	DD 01F2		0179		
				04E6'CF	01	FB 01F8		0179		
				0004'CF	07	DO 01FD		0179		
				0004'CF	00	DD 0202		0179		
				04DC'CF	01	FB 0204		0179		
				0079'CF	00000080	DD 0209		0179		
				000000EC	8F	DD 0212		0179		
				000000EC	8F	DD 021B		0179		
				0004'CF	07	DO 021B		0179		
				0004'CF	00	DD 021B		0179		
				04DC'CF	01	FB 021B		0179		
				000000EC	8F	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				0004'CF	07	DO 021B		0179		
				0004'CF	00	DD 021B		0179		
				04DC'CF	01	FB 021B		0179		
				0079'CF	00000080	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				0004'CF	07	DO 021B		0179		
				0004'CF	00	DD 021B		0179		
				04DC'CF	01	FB 021B		0179		
				0079'CF	00000080	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				0004'CF	07	DO 021B		0179		
				0004'CF	00	DD 021B		0179		
				04DC'CF	01	FB 021B		0179		
				0079'CF	00000080	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				0004'CF	07	DO 021B		0179		
				0004'CF	00	DD 021B		0179		
				04DC'CF	01	FB 021B		0179		
				0079'CF	00000080	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				0004'CF	07	DO 021B		0179		
				0004'CF	00	DD 021B		0179		
				04DC'CF	01	FB 021B		0179		
				0079'CF	00000080	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				0004'CF	07	DO 021B		0179		
				0004'CF	00	DD 021B		0179		
				04DC'CF	01	FB 021B		0179		
				0079'CF	00000080	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				0004'CF	07	DO 021B		0179		
				0004'CF	00	DD 021B		0179		
				04DC'CF	01	FB 021B		0179		
				0079'CF	00000080	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				0004'CF	07	DO 021B		0179		
				0004'CF	00	DD 021B		0179		
				04DC'CF	01	FB 021B		0179		
				0079'CF	00000080	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				0004'CF	07	DO 021B		0179		
				0004'CF	00	DD 021B		0179		
				04DC'CF	01	FB 021B		0179		
				0079'CF	00000080	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				0004'CF	07	DO 021B		0179		
				0004'CF	00	DD 021B		0179		
				04DC'CF	01	FB 021B		0179		
				0079'CF	00000080	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				0004'CF	07	DO 021B		0179		
				0004'CF	00	DD 021B		0179		
				04DC'CF	01	FB 021B		0179		
				0079'CF	00000080	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				000000EC	8F	DD 021B		0179		
				0004'CF	07	DO 021B		0179		
				0004'CF	00	DD 021B		0179		
				04DC'CF	01	FB 021B		0179		
				0079'CF	00000080	DD 021B		0179		
				000000EC	8F	DD 021B</				

04E6'CF	01	FB	0221				CALLS #1,W^REG_CHECK	
0000000EC	8F	DD	0226	369	SASCEFC S #128,W^NAME_DLC		; check S form	
04E6'CF	01	FB	023B	370	FAIL_CHECK SSS_ILLEFC		; check for correct failure	
			023B		PUSHL #SSS_ILLEFC			
			0241		CALLS #1,W^REG_CHECK			
			0246	371	;+			
			0246	372	;:			
			0246	373	; test for a legal EFN but not addressable name string			
			0246	374	;:			
			0246	375	; -			
			0246	376	NEXT_TEST			
			0246		STP8:			
0004'CF	08	DO	0246		MOVL #8,W^CURRENT_TC			
00	00	DD	024B		PUSHL #0			
04DC'CF	01	FB	024D	377	CALLS #1,W^REG_SAVE			
0079'CF	00000040	8F	DO	0252	MOVL #64,W^ASC+ASCEFC\$ EFN		; legalize the EFN	
007D'CF	0000'CF	DE	0258	378	MOVAL W^NOACCESS,W^ASC+ASCEFC\$_NAME		; set illegal address for name	
			0262	379	SASCEFC G W^ASC			
			026B	380	FAIL_CHECK SSS_ACCVIO		; check for correct failure	
04E6'CF	0C	DD	026B		PUSHL #SSS_ACCVIO			
01	FB	026D		381	CALLS #1,W^REG_CHECK			
			0272	382	SASCEFC S #64,W^NOACCESS		; check S form	
			0287		FAIL_CHECK SSS_ACCVIO		; check for correct failure	
04E6'CF	0C	DD	0287		PUSHL #SSS_ACCVIO			
01	FB	0289		383	CALLS #1,W^REG_CHECK			
			028E	384	; +			
			028E	385	; test for 0 length cluster name			
			028E	386	; :			
			028E	387	; -			
			028E	388	NEXT_TEST			
			028E		STP9:			
0004'CF	09	DO	028E		MOVL #9,W^CURRENT_TC			
00	00	DD	0293		PUSHL #0			
04DC'CF	01	FB	0295	389	CALLS #1,W^REG_SAVE			
007D'CF	0066'CF	DE	029A	390	MOVAL W^NAME_DLC0,W^ASC+ASCEFC\$_NAME		; set 0 length name	
			02A1	391	SASCEFC G W^ASC			
			02AA		FAIL_CHECK SSS_IVLOGNAM		; check for correct failure	
00000154	8F	DD	02AA		PUSHL #SSS_IVLOGNAM			
04E6'CF	01	FB	02B0		CALLS #1,W^REG_CHECK			
			02B5	392	SASCEFC S #64,W^NAME_DLC0		; check S form	
00000154	8F	DD	02CA	393	FAIL_CHECK SSS_IVLOGNAM		; check for correct failure	
04E6'CF	01	FB	02D0		PUSHL #SSS_IVLOGNAM			
			02D5	394	CALLS #1,W^REG_CHECK			
			02D5	395	; +			
			02D5	396	; test for greater than 15 length cluster name			
			02D5	397	; :			
			02D5	398	; -			
			02D5	399	NEXT_TEST			
			02D5		STP10:			
0004'CF	0A	DO	02D5		MOVL #10,W^CURRENT_TC			
00	00	DD	02DA		PUSHL #0			
04DC'CF	01	FB	02DC		CALLS #1,W^REG_SAVE			

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007D'CF	006E'CF	DE	02E1	400	MOVAL W^NAME_DLC15,W^ASC+ASCEFC\$_NAME ; set 15 length name
			02E8	401	\$ASCEFC G W^ASC
			02F1	402	FAIL_CHECK SSS_IVLOGNAM ; check for correct failure
(00000154 8F	04E6'CF 01	DD	02F1		PUSHL #SSS_IVLOGNAM
		FB	02F7		CALLS #1,W^REG_CHECK
			02FC	403	SASCEFC S #64,W^NAME_DLCTS
00000154 8F	04E6'CF 01	DD	0311	404	FAIL_CHECK SSS_IVLOGNAM ; check S form
		FB	0317		PUSHL #SSS_IVLOGNAM ; check for correct failure
			031C	405	CALLS #1,W^REG_CHECK
			031C	406	:+ :
			031C	407	: test for need to have PRMCEB privilege
			031C	408	: :
			031C	409	-
			031C	410	NEXT_TEST
			031C		
			031C		STP11:
0004'CF	0B	DO	031C		MOVL #11,W^CURRENT_TC
	00	DD	0321		PUSHL #0
04DC'CF	01	FB	0323		CALLS #1,W^REG_SAVE
59 00000000'9F		DO	0328	411	MODE TO,10\$,KRNL,NOREGS ; kernal mode to access PHD
0051'CF 69		DE	0340	412	MOVW #CTLGSL_PHD,R9 ; get process header address
			034C	413	MOVAL PHDSQ_PRIVMSK(R9),W^PRIVMASK ; get priv mask address
			0351	414	MODE FROM,TOS ; get back to user mode
007D'CF 0059'CF	00	DE	0372	415	PRIV REM,PRMCEB ; remove PRMCEB priv.
04DC'CF 01		DD	0379	416	MOVAL W^NAME_DLC,W^ASC+ASCEFC\$_NAME ; set a legal name
		FB	037B	417	PUSHL #0 ; push a dummy parameter
			0380	418	CALLS #1,W^REG_SAVE ; save the registers
			0389	419	\$ASCEFC G W^ASC
04E6'CF 01	24	DD	0389	420	FAIL_CHECK SSS_NOPRIV ; check for correct failure
		FB	0388		PUSHL #SSS_NOPRIV
			0390	421	CALLS #1,W^REG_CHECK
			03A7	422	SASCEFC S #64,NAME_DLC,,#1 ; check S form
04E6'CF 01	24	DD	03A7		FAIL_CHECK SSS_NOPRIV ; check for correct failure
		FB	03A9		PUSHL #SSS_NOPRIV
59 00000000'9F		DO	03AE	423	CALLS #1,W^REG_CHECK
0051'CF 69		DE	03CB	424	MODE TO,20\$,KRNL,NOREGS ; kernal mode to access PHD
			03D2	425	MOVW #CTLGSL_PHD,R9 ; get process header address
			03D7	426	MOVAL PHDSQ_PRIVMSK(R9),W^PRIVMASK ; get priv mask address
			03D8	427	MODE FROM,20\$ ; get back to user mode
					PRIV ADD,PRMCEB ; return PRMCEB priv.

			03F8	429	.SBTTL SETEXV TESTS
			03F8	430	;+
			03F8	431	;
			03F8	432	\$SETEXV TESTS
			03F8	433	test for page 0 access
			03F8	434	;
			03F8	435	-
			03F8	436	NEXT_TEST
			03F8		STP12:
0004'CF	0C	DO	03F8		MOVL #12,W^CURRENT_TC
00	00	DD	03FD		PUSHL #0
04DC'CF	01	FB	03FF	437	CALLS #1,W^REG_SAVE
0113'CF	0046'CF	DE	0404	438	MOVAL W^SETEXV,W^SERV_NAME ; set service name
			040B	439	\$SETEXV_G W^SET
			0414	440	FAIL_CHECK SSS_ACCVIO ; check for correct failure
04E6'CF	0C	DD	0414	441	PUSHL #SSS_ACCVIO
04E6'CF	01	FB	0416	442	CALLS #1,W^REG_CHECK
			041B	443	\$SETEXV_S W^VECTOR_SXV,0-
			041B	444	W^ACMODE_SXV,W^PRVHND_SXV40 ; check S form
			0430	445	FAIL_CHECK SSS_ACCVIO ; check for correct failure
04E6'CF	0C	DD	0430	446	PUSHL #SSS_ACCVIO
04E6'CF	01	FB	0432	447	CALLS #1,W^REG_CHECK
			0437	448	;+
			0437	449	test for read-only psect access
			0437	450	;
			0437	451	-
			0437	452	NEXT_TEST
			0437		STP13:
0004'CF	0D	DO	0437		MOVL #13,W^CURRENT_TC
00	00	DD	043C		PUSHL #0
04DC'CF	01	FB	043E	449	CALLS #1,W^REG_SAVE
0099'CF	0095'CF	DE	0443	450	MOVAL W^PRVHND_SXV41,W^SET+SETEXVS_PRVHND
			044A	451	\$SETEXV_G W^SET
			0453	452	FAIL_CHECK SSS_ACCVIO ; check for correct failure
04E6'CF	0C	DD	0453	453	PUSHL #SSS_ACCVIO
04E6'CF	01	FB	0455	454	CALLS #1,W^REG_CHECK
			045A	455	\$SETEXV_S W^VECTOR_SXV,0-
			045A	456	W^ACMODE_SXV,W^PRVHND_SXV41 ; check S form
			046F	457	FAIL_CHECK SSS_ACCVIO ; check for correct failure
04E6'CF	0C	DD	046F	458	PUSHL #SSS_ACCVIO
04E6'CF	01	FB	0471	459	CALLS #1,W^REG_CHECK
			0476	460	;+
			0476	461	test for noaccess psect protection
			0476	462	;
			0476		-
			0476		NEXT_TEST
			0476		STP14:
0004'CF	0E	DO	0476		MOVL #14,W^CURRENT_TC
00	00	DD	047B		PUSHL #0
04DC'CF	01	FB	047D	461	CALLS #1,W^REG_SAVE
0099'CF	01FF'CF	DE	0482	462	MOVAL W^PRVHND_SXV42,W^SET+SETEXVS_PRVHND
			0489		\$SETEXV_G W^SET

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04E6'CF	OC 01	DD 0492	0492	463	FAIL_CHECK SSS_ACCVIO : check for correct failure
		FB 0494	0494		PUSHL #SSS_ACCVIO
			0499	464	CALLS #1,W^REG_CHECK
			0499	465	SSETEXV_S W^VECTOR_SXV,0_-
			04AE	466	W^ACMODE_SXV,W^PRVHND_SXV42 ; check S form
04E6'CF	OC 01	DD 04AE	04AE		FAIL_CHECK SSS_ACCVIO ; check for correct failure
		FB 04B0	04B0		PUSHL #SSS_ACCVIO
			04B5	467	CALLS #1,W^REG_CHECK
			04B5		TEST_END : end the test
004C'CF	DD 04B5				PUSHL W^TMD_ADDR
0048'CF	DD 04B9				PUSHL W^TMN_ADDR
02	DD 04BD				PUSHL #2
0044'CF	DD 04BF				PUSHL W^MOD_MSG_CODE
00000000'GF	04 01	FB 04C3	04C3		CALLS #SST1-G^LIBSSIGNAL
0044'CF	1C 01	FO 04CA	04CA		INSV #1,#SFSSV_INHIB_MSG,#1,W^MOD_MSG_CODE
00000000'GF	01	DD 04D1	04D1		PUSHL W^MOD_MSG_CODE
		FB 04D5	04D5		CALLS #1,G^SYSSEXIT

0008'CF 14 AD 28 28  
0FFC 0450 04 AC D1  
0E 13 04EC  
50 DD 04EE  
04 AC DD 04FO  
0128'CF DF 04F3  
052E'CF 03 FB 04F7  
04FC 04FC 04FC  
50 04 AC D1  
28 13 0503  
56 53 00000008'8F C3 0505  
56 04 C6 050D  
00AF'CF 56 02 81 0510  
51 03 CA 0516  
53 03 CA 0519

04DC 469 .SBTTL REG\_SAVE  
 04DC 470 ++  
 04DC 471 FUNCTIONAL DESCRIPTION:  
 04DC 472 Subroutine to save R2-R11 in the register save location.  
 04DC 473  
 04DC 474 CALLING SEQUENCE:  
 04DC 475 PUSHL #0 ; save a dummy parameter  
 04DC 476 CALLS #1,W^REG\_SAVE ; save R2-R11  
 04DC 477  
 04DC 478 INPUT PARAMETERS:  
 04DC 479 NONE  
 04DC 480  
 04DC 481 OUTPUT PARAMETERS:  
 04DC 482 NONE  
 04DC 483  
 04DC 484 --  
 04DC 485  
 04DC 486 REG\_SAVE:  
 04DC 487 .WORD ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>  
 04DE 488 MOVC3 #4\*10,^X14(FP),W^REG\_SAVE\_AREA ; save the registers in the program  
 04E5 489 RET  
 04E6 490 .SBTTL REG\_CHECK  
 04E6 491 ++  
 04E6 492 FUNCTIONAL DESCRIPTION:  
 04E6 493 Subroutine to test R0 & R2-R11 for proper content after a service  
 04E6 494 execution. A snapshot is taken by the REG\_SAVE routine at the  
 04E6 495 beginning of each step and this routine is executed after the  
 04E6 496 services have been executed.  
 04E6 497  
 04E6 498 CALLING SEQUENCE:  
 04E6 499 PUSHL #SSS\_XXXXXX ; push expected R0 contents  
 04E6 500 CALLS #1,W^REG\_CHECK ; execute this routine  
 04E6 501  
 04E6 502 INPUT PARAMETERS:  
 04E6 503 expected R0 contents on the stack  
 04E6 504  
 04E6 505 OUTPUT PARAMETERS:  
 04E6 506 possible error messages printed using \$PUTMSG  
 04E6 507  
 04E6 508 --  
 04E6 509  
 04E6 510 REG\_CHECK:  
 04E6 511 .WORD ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>  
 04E6 512 CMPL 4(AP),R0 ; is this the right fail code?  
 04E6 513 BEQL 10\$ ; br if yes  
 04E6 514 PUSHL R0 ; push received data  
 04E6 515 PUSHL 4(AP) ; push expected data  
 04E6 516 PUSHAL W^EXP ; push the string variable  
 04E6 517 CALLS #3,W^PRINT\_FAIL ; print the error message  
 04E6 518 10\$: CMPC3 #4\*10,^X14(FP),W^REG\_SAVE\_AREA ; check all but R0  
 04E6 519 BEQL 20\$ ; br if O.K.  
 04E6 520 SUBL3 #REG\_SAVE\_AREA,R3,R6 ; calculate the register number  
 04E6 521 DIVL2 #4,R6  
 04E6 522 ADDB3 #^X2,R6,W^REGNUM ; put it in the string  
 04E6 523 BICL2 #3,R1 ; backup to register boundary  
 04E6 524 BICL2 #3,R3

00AF'CF DD 051C 526      PUSHL W^REGNUM ; push register number  
 61 DD 0520 527      PUSHL (R1) ; push received data  
 63 DD 0522 528      PUSHL (R3) ; push expected data  
 009D'CF DF 0524 529      PUSHAL W^REG ; set string pntr param.  
 052E'CF 04 FB 0528 530      CALLS #4,W^PRINT\_FAIL ; print the error message  
 052E 04 052D 531      20\$: RET  
 052E 052D 532      .SBTTL PRINT\_FAIL  
 052E 052E 533      ++  
 052E 052E 534 : FUNCTIONAL DESCRIPTION:  
 052E 052E 535 : Subroutine to report failures using \$PUTMSG  
 052E 052E 536  
 052E 052E 537  
 052E 052E 538 : CALLING SEQUENCE:  
 052E 052E 539 : Mode #1      PUSHL EXPECTED Mode #2      PUSHL REG NUMBER  
 052E 052E 540 : PUSHL RECEIVED      PUSHL EXPECTED  
 052E 052E 541 : PUSHAL STRING VAR      PUSHL RECEIVED  
 052E 052E 542 : CALLS #3,W^PRINT\_FAIL      PUSHAL STRING VAR  
 052E 052E 543 : CALLS #4,W^PRINT\_FAIL  
 052E 052E 544  
 052E 052E 545 : INPUT PARAMETERS:  
 052E 052E 546 : Listed above  
 052E 052E 547  
 052E 052E 548 : OUTPUT PARAMETERS:  
 052E 052E 549 : an error message is printed using \$PUTMSG  
 052E 052E 550  
 052E 052E 551 :--  
 052E 052E 552  
 052E 052E 553 : PRINT\_FAIL:  
 003C 052E 554 : WORD ^M<R2,R3,R4,R5>  
 04 6C 91 052E 555 : \$FAO\_S W^CS1,W^MESSAGE1,W^MSG1,#TEST\_MOD\_NAME,W^SERV\_NAME,W^CURRENT\_TC  
 04 21 13 0566 556 : PUTMSG <#UETPS\_TEXT,#1,#MESSAGE1> ; print the message  
 052E 557 : CMPB (AP),#4 ; is this a register message?  
 0569 558 : BEQL 10\$ ; br if yes  
 25 11 0568 559 : \$FAO\_S W^CS2,W^MESSAGE1,W^MSG1,4(AP),8(AP),4(AP),12(AP)  
 058A 560 : BRB 20\$ ; goto output message  
 058C 561 10\$:  
 058C 562 : \$FAO\_S W^CS3,W^MESSAGE1,W^MSG1,4(AP),16(AP),8(AP),4(AP),16(AP),12(AP)  
 05B1 563 20\$:  
 004C'CF 002A'CF DE 05C6 564 : PUTMSG <#UETPS\_TEXT,#1,#MESSAGE1> ; print the message  
 0044'CF 03 00 02 F0 05CD 565 : MOVAL W^TEST\_MOD FAIL,W^TMD\_ADDR ; set failure message address  
 04 05D4 566 : INSV #ERROR,#0,#3,W^MOD\_MSG\_CODE ; set severity code  
 05D4 567 : RET

```
05D5 569 .SBTTL MOD_MSG_PRINT
05D5 570 MOD_MSG_PRINT:
05D5 571 :
05D5 572 : ****
05D5 573 * PRINTS THE TEST MODULE BEGIN/SUCCESSFUL/FAILED MESSAGES
05D5 574 * (USING THE PUTMSG MACRO).
05D5 575 *
05D5 576 *
05D5 577 : ****
05D5 578 :
05D5 579 PUTMSG <W^MOD_MSG_CODE,#2,W^TMN_ADDR,W^TMD_ADDR> : PRINT MSG
05EA 580 RSB ; ... AND RETURN TO CALLER
05EB 581 :
05EB 582 : .SBTTL CHMRTN
05EB 583 CHMRTN:
05EB 584 :
05EB 585 : ****
05EB 586 * CHANGE MODE ROUTINE. THIS ROUTINE GETS CONTROL WHENEVER
05EB 587 * A CMKRNL, CMEXEC, OR CMSUP SYSTEM SERVICE IS ISSUED
05EB 588 * BY THE MODE MACRO ('TO' OPTION). IT MERELY DOES
05EB 589 * A JUMP INDIRECT ON A FIELD SET UP BY MODE. IT HAS
05EB 590 * THE EFFECT OF RETURNING TO THE END OF THE MODE
05EB 591 * MACRO EXPANSION.
05EB 592 :
05EB 593 :
05EB 594 :
05EB 595 .WORD 0 : ENTRY MASK
05ED 596 JMP 3CHM_CONT : RETURN TO MODE MACRO IN NEW MODE
05F3 597 :
05F3 598 * RET INSTR WILL BE ISSUED IN EXPANSION OF 'MODE FROM, ....' MACRO
05F3 599 :
05F3 600 .END SATSSF01
```

00000059'FF 0000 17

D 1  
 - SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:30:10 VAX/VMS Macro V04-00  
 5-SEP-1984 04:27:16 [UETPSY.SRC]SATSSF01.MAR;1 Page 19 (1)

SSARGS	= 00000004		RETADR	= 0000005D R 03
SST1	= 00000004		SATSSF01	= 00000000 RG 06
SST2	= 00000009		SERV_NAME	= 00000113 R 03
ACMODE_SXV	= 00000091 R 02		SET	= 00000089 R 03
ASC	= 00000075 R 03		SETEXV	= 00000046 R 02
ASCEFC	= 0000003F R 02		SETEXVS_ACMODE	= 0000000C
ASCEFC\$_EFN	= 00000004		SETEXVS_ADDRES	= 00000008
ASCEFC\$_NAME	= 00000008		SETEXVS_NARGS	= 00000004
ASCEFC\$_NARGS	= 00000004		SETEXVS_PRVHND	= 00000010
ASCEFC\$_PERM	= 00000010		SETEXVS_VECTOR	= 00000004
ASCEFC\$_PROT	= 0000000C		SEVERE	= 00000004
BUF	= 000000BB R 03		SHR\$K SHRDEF	= 00000001
CHMRTN	= 000005EB R 06		SHRS TEXT	= 0001130
CHM_CONT	= 00000059 R 03		SSS_ACCVIO	= 0000000C
CS1	= 00000099 R 02		SSS_ILLEFC	= 000000EC
CS2	= 000000CB R 02		SSS_IVLOGNAM	= 0000154
CS3	= 000000F8 R 02		SSS_NOPRIV	= 00000024
CTL\$GL_PHD	***** X 06		STEP	= 0000000E
CURRENT_TC	= 00000004 R 03		STPO	= 0000003D R 06
DAC	= 00000065 R 03		STP1	= 00000085 R 06
DACEFC	= 00000031 R 02		STP10	= 000002D5 R 06
DACEFC\$_EFN	= 00000004		STP11	= 0000031C R 06
DACEFC\$_NARGS	= 00000001		STP12	= 000003FB R 06
DLC	= 0000006D R 03		STP13	= 00000437 R 06
DLCEFCC	= 00000038 R 02		STP14	= 00000476 R 06
DLCEFCS_NAME	= 00000004		STP2	= 000000BE R 06
DLCEFCS_NARGS	= 00000001		STP3	= 000000FF R 06
EMPTY	= 00000000 R 04		STP4	= 0000013C R 06
ERROR	= 00000002		STP5	= 00000179 R 06
EXP	= 0000012B R 02		STP6	= 000001BC R 06
INADR	= 0000004D R 02		STP7	= 000001FD R 06
INFO	= 00000003		STP8	= 00000246 R 06
LIB\$SIGNAL	***** X 06		STP9	= 0000028E R 06
MESSAGE	= 0000010B R 03		STSSV_INHIB_MSG	= 0000001C
MOD_MSG_CODE	= 00000044 R 03		SUCCESS	= 00000001
MOD_MSG_PRINT	= 000005D5 R 06		SYSSASCEFC	***** GX 06
MSG	= 000000B3 R 03		SYSSCMKRLN	***** GX 06
NAME_DLC	= 00000059 R 02		SYSSDACEFC	***** GX 06
NAME_DLCO	= 00000066 R 02		SYSSDLCEFCC	***** GX 06
NAME_DLC15	= 0000006E R 02		SYSSSEXIT	***** GX 06
NOACCESS	= 00000000 R 05		SYSSFAO	***** X 06
PHD\$Q_PRIVMASK	= 00000000		SYSSHIBER	***** GX 06
PRINT_FAIL	= 0000052E R 06		SYSSSETEXV	***** GX 06
PRIVMASK	= 00000051 R 03		SYSSSETPRN	***** GX 06
PRIV_ARGS	= 00000002		SYSSSETPRT	***** GX 06
PROT	= 00000055 R 02		SYSSSETPRV	***** GX 06
PRTSCNA	***** X 02		SYSSWAKE	***** GX 06
PRV\$V_PRMCEB	= 0000000A		TEST_MOD_BEGIN	= 00000019 R 02
PRVHND_SXV40	= 00000001		TEST_MOD_FAIL	= 0000002A R 02
PRVHND_SXV41	= 00000095 R 02		TEST_MOD_NAME	= 00000000 R 02
PRVHND_SXV42	= 000001FF R 04		TEST_MOD_NAME_D	= 00000009 R 02
PRVPRT	= 00000050 R 03		TEST_MOD_SUCC	= 0000001F R 02
REG	= 00000090 R 03		TMD_ADDR	= 0000004C R 03
REGNUM	= 000000AF R 03		TMN_ADDR	= 00000048 R 03
REG_CHECK	= 000004E6 R 06		TPID	= 00000000 R 03
REG_SAVE	= 000004DC R 06		UETPS_SATSMS	= 007480D9
REG_SAVE_AREA	= 00000008 R 03		UETPS_TEXT	= 00741133

## SATSSF01 Symbol table

- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:30:10 VAX/VMS Macro V04-00  
E 1  
5-SEP-1984 04:27:16 [UETPSY.SRC]SATSSF01.MAR;1 Page 20  
(1)

**VECTOR SXV  
WARNING**

= 0000008D R 02

+-----+  
! Psect synopsis !  
+-----+

**PSECT name**

Allocation		PSECT No.	Attributes
00000000	( 0.)	00 ( 0.)	NOPIC USR
00000000	( 0.)	01 ( 1.)	NOPIC USR
00000139	( 313.)	02 ( 2.)	NOPIC USR
00000117	( 279.)	03 ( 3.)	NOPIC USR
00000200	( 512.)	04 ( 4.)	NOPIC USR
00000200	( 512.)	05 ( 5.)	NOPIC USR
000005F3	( 1523.)	06 ( 6.)	NOPIC USR

## -----+ Performance indicators !

## Phase

<b>Page faults</b>	<b>CPU Time</b>	<b>Elapsed Time</b>
30	00:00:00.06	00:00:00.80
113	00:00:00.67	00:00:02.19
392	00:00:13.04	00:00:26.28
0	00:00:01.56	00:00:02.84
144	00:00:02.92	00:00:05.54
17	00:00:00.11	00:00:00.11
5	00:00:00.03	00:00:00.03
0	00:00:00.00	00:00:00.00
703	00:00:18.39	00:00:37.79

The working set limit was 1350 pages.

79290 bytes (155 pages) of virtual memory were used to buffer the intermediate code.

There were 60 pages of symbol table space allocated to hold 999 non-local and 8 local symbols.

600 source lines were read in Pass 1, producing 30 object records in Pass 2.

58 pages of virtual memory were used to define 53 macros.

## -----+ ! Macro library statistics ! +-----

### Macro library name

## Macros defined

- \$255\$DUA28:[SHRLIB]UETP.MLB;1  
- \$255\$DUA28:[SYS.OBJ]LIB.MLB;1  
- \$255\$DUA28:[SYSLIB]STARLET.MLB;2  
TOTALS (all libraries)

12  
36  
50

1328 GETs were required to define 50 macros.

**There were no errors, warnings or information messages.**

**MACRO/LIS=LIS\$;SATSSF01/OBJ=OBJ\$;SATSSF01 MSRC\$;SATSSF01/UPDATE=(ENHS\$;SATSSF01)+EXECML\$ LIB+SHRLIBS\$;UETP/LIB**

0416 AH-BT13A-SE  
VAX/VMS V4.0

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SATSUT10  
MAP

SATSUT12  
MAP

UETINIT00  
MAP

SATSUT14  
MAP

UETMA2800  
MAP

SATSUT01  
MAP

SATSUT05  
MAP

SATSUT07  
MAP

SATSUT09  
MAP

SATSUT11  
MAP

SATSUT13  
MAP

UETCLIG00  
MAP

UETINIT01  
MAP

SATSUT04  
MAP

SATSUT06  
MAP

SATSUT08  
MAP

UETINIT02  
MAP

UETMEM01  
MAP

CST00B  
LIS

SATSSF01  
LIS

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